

FORM PTO-1449 (REV. 7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 030262	SERIAL NO. To Be Assigned
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		APPLICANT Ashok Matravadi et al.	
		FILING DATE February 2, 2004	GROUP
DATE MAILED: February 2, 2004			

## U.S. PATENT DOCUMENTS

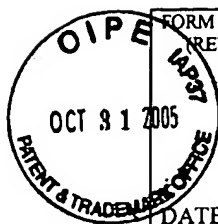
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	A1						
	A2						
	A3						
	A4						
	A5						
	A6						
	A7						
	A8						

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	Ref No	DOCUMENT NUMBER	DATE	COUNTRY	NAME	CLASS	SUB CLASS
	B1						
	B2						
	B3						
	B4						
	B5						

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Page, Etc.)

61	C1	Coleri, S. et al, "Channel Estimation Techniques Based on Pilot Arrangement in OFDM Systems" IEEE Transactions On Broadcasting, Vol. 48, No. 3, September 2002
	C2	
	C3	
EXAMINER	DATE CONSIDERED 2/2/07	
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		

FORM PTO-1449  
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

SERIAL NO.

030262

10/773,646

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use several sheets if necessary)

APPLICANT

Ashok Mantravadi

FILING DATE

February 5, 2004

GROUP

2681

DATE MAILED: October 27, 2005

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	A1					
	A2					

## U.S. PATENT APPLICATION PUBLICATION DOCUMENTS

*EXAMINER INITIAL	PUBLICATION NUMBER	PUB. DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	B1					
	B2					

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	Ref No	DOCUMENT NUMBER	DATE	COUNTRY	NAME	CLASS	SUB CLASS
CH	C1	1 2 1 1 8 1 9 A1	06/05/02	EP	Matsushita Electric Industrial Co., Ltd.	H04B	7/005
CH	C2	9 7 4 4 9 1 6 A1	11/27/97	WO	Nokia Telecommunications OY	H04B	7/005
	C3						

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Page, Etc.)

CH	D1	KALEONG LO ET AL., "Layered Space Time Coding with Joint Iterative Detection, Channel Estimation and Decoding," IEEE Seventh International Symposium on Spread-Spectrum Technology & Applications, Vol. 2, pgs. 308-312 (2002).
CH	D2	PAULRAJ A ET AL., "Introduction to Space-Time Wireless Communications," pgs. 178-184, May 2003.
CH	D3	ZEMEN, T. ET AL., "Iterative Detection and Channel Estimation for MC-CDMA," IEEE International Conference on Communications, Vol. 1 of 5, pgs. 3462-3466, May 11, 2003.
CH	D4	RALEIGH, G., G. ET AL., "Multivariate Modulation and Coding for Wireless Communication," IEEE Journal on Selected Areas in Communications, Vol. 17, No. 5, pgs. 851-866, May 1999.
CH	D5	JIE ZHU ET AL., "Channel Estimation with Power-Controlled Pilot Symbols and Decision-Directed Reference Symbols," IEEE Vehicular Technology Conference, Vol. 2, pgs. 1268-1272, October 6, 2003.
CH	D6	MEYR H ET AL., "Digital Communication Receivers: Synchronization, Channel Estimation, and Signal Processing," Wiley-Interscience, New York, NY, pgs. 649-650 (1998).
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